

Amendments to the Claims:

The following listing of claims will replace all prior versions and listings of claims.

Listing of Claims

1. (currently amended) An isolated polynucleotide comprising a nucleic acid sequence selected from the group consisting of:

- (a) a polynucleotide encoding amino acids 1-427 of SEQ ID NO:2;
- (b) a polynucleotide encoding amino acids 1-407 of SEQ ID NO:2;
- (c) a polynucleotide encoding amino acids 2-427 of SEQ ID NO:2;
- (d) a polynucleotide encoding amino acids 198-381 of SEQ ID NO:2;
- (e) a polynucleotide encoding amino acids 382-407 of SEQ ID NO:2;
- (f) a polynucleotide encoding amino acids 408-427 of SEQ ID NO:2; and
- (g) a polynucleotide encoding amino acids 306-427 of SEQ ID NO:2;
- (h) ~~a polynucleotide encoding the amino acid sequence encoded by the cDNA contained in ATCC Deposit No. 97242;~~
- (i) ~~a polynucleotide encoding at least 30 contiguous amino acids of SEQ ID NO:2 or the cDNA clone contained in ATCC Deposit No. 97242;~~
- (j) ~~a polynucleotide encoding at least 50 contiguous amino acids of SEQ ID NO:2 or the cDNA clone contained in ATCC Deposit No. 97242;~~
- (k) ~~a polynucleotide of at least 30 contiguous nucleotides of SEQ ID NO:1 or the coding strand of the cDNA clone contained in ATCC Deposit No. 97242;~~
- (l) ~~a polynucleotide of at least 40 contiguous nucleotides of SEQ ID NO:1 or the coding strand of the cDNA clone contained in ATCC Deposit No. 97242;~~
- (m) ~~a polynucleotide of at least 50 contiguous nucleotides of SEQ ID NO:1 or the coding strand of the cDNA clone contained in ATCC Deposit No. 97242;~~
- (n) ~~a polynucleotide of at least 60 contiguous nucleotides of SEQ ID NO:1 or the coding strand of the cDNA clone contained in ATCC Deposit No. 97242; and~~
- (o) ~~the complement of (a), (b), (c), (d), (e), (f), (g), (h), (i), (j), (k), (l), or (m).~~

2. (currently amended) The isolated polynucleotide of claim 1, wherein said polynucleotide nucleic acid sequence is (a).

3. (currently amended) The isolated polynucleotide of claim 1, wherein said polynucleotide nucleic acid sequence is (b).

4. (currently amended) The isolated polynucleotide of claim 1, wherein said polynucleotide nucleic acid sequence is (c).
5. (currently amended) The isolated polynucleotide of claim 1, wherein said polynucleotide nucleic acid sequence is (d).
6. (currently amended) The isolated polynucleotide of claim 1, wherein said polynucleotide nucleic acid sequence is (e).
7. (currently amended) The isolated polynucleotide of claim 1, wherein said polynucleotide nucleic acid sequence is (f).
8. (currently amended) The isolated polynucleotide of claim 1, wherein said polynucleotide nucleic acid sequence is (g).
- 9-15. (canceled)
16. (currently amended) ~~The isolated polynucleotide of claim 1, wherein said polynucleotide is (o). An isolated polynucleotide fully complementary to the isolated polynucleotide of claim 1.~~
17. (original) The isolated polynucleotide of claim 1 fused to a heterologous polynucleotide.
18. (original) The isolated polynucleotide of claim 17, wherein the heterologous polynucleotide encodes for a heterologous polypeptide.
19. (original) The isolated polynucleotide of claim 1, wherein the polynucleotide is double stranded.
20. (original) A recombinant vector comprising the polynucleotide of claim 1.
21. (original) The vector of claim 20 wherein the vector is a viral vector.
22. (original) The vector of claim 21 wherein the viral vector is a retroviral vector.
23. (currently amended) An isolated host cell comprising the polynucleotide of claim 1.

24. (currently amended) An isolated host cell comprising the polynucleotide of claim 1, wherein said polynucleotide is operatively associated with a heterologous regulatory sequence.
25. (canceled)
26. (currently amended) A method of producing a protein comprising:
- (a) culturing the isolated host cell of claim 23 under conditions such that said protein is expressed; and
 - (b) recovering said protein.
- 27-36. (canceled)
37. (new) An isolated polynucleotide consisting of a nucleic acid sequence encoding a fragment of SEQ ID NO:2, wherein said fragment is at least 30 contiguous amino acid residues in length.
38. (new) The isolated polynucleotide of claim 37, wherein said fragment is at least 50 contiguous amino acid residues in length.
39. (new) The isolated polynucleotide of claim 37 fused to a heterologous polynucleotide.
40. (new) The isolated polynucleotide of claim 39, wherein the heterologous polynucleotide encodes for a heterologous polypeptide.
41. (new) A recombinant vector comprising the polynucleotide of claim 37.
42. (new) An isolated host cell comprising the polynucleotide of claim 37.
43. (new) An isolated host cell comprising the polynucleotide of claim 37, wherein said polynucleotide is operatively associated with a heterologous regulatory sequence.
44. (new) A method of producing a protein comprising:
- (a) culturing the isolated host cell of claim 42 under conditions such that said fragment is expressed; and
 - (b) recovering said fragment.
45. (new) An isolated polynucleotide consisting of a fragment of SEQ ID NO:1, wherein said fragment is at least 30 contiguous nucleotides in length.

46. (new) The isolated polynucleotide of claim 45, wherein said fragment is at least 40 contiguous amino acid residues in length.
47. (new) The isolated polynucleotide of claim 45, wherein said fragment is at least 50 contiguous amino acid residues in length.
48. (new) The isolated polynucleotide of claim 45, wherein said fragment is at least 60 contiguous amino acid residues in length.
49. (new) The isolated polynucleotide of claim 45 fused to a heterologous polynucleotide.
50. (new) A recombinant vector comprising the polynucleotide of claim 45.
51. (new) An isolated host cell comprising the polynucleotide of claim 45.
52. (new) An isolated host cell comprising the polynucleotide of claim 45, wherein said polynucleotide is operatively associated with a heterologous regulatory sequence.